



Patent  
Attorney Docket No. 021269-006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

PARK, Jong Jin et. al.

Group Art Unit: 2852

Application No.: 10/734,138

Examiner: Unassigned

Filing Date: December 15, 2003

Confirmation No.: 9250

Title: Photosensitive Metal Nanoparticle and Method of Forming Conductive Pattern Using the Same

**FIRST  
INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- ☐ Charge \_\_\_\_\_ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

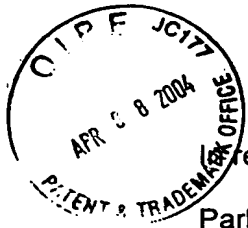
BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404  
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(703) 836-6620

By

Charles F. Wieland III  
Registration No. 33,096

Date: April 8, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Park, Jong Jin et. al.	)	Group Art Unit: 2852
Application No.: 10/734,138	)	Examiner: Unassigned
Filed: December 15, 2003	)	Confirmation No.: 9250
For: Photosensitive Metal Nanoparticle and	)	
Method of Forming Conductive Pattern	)	
Using the Same	)	
	)	
	)	

**FIRST INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

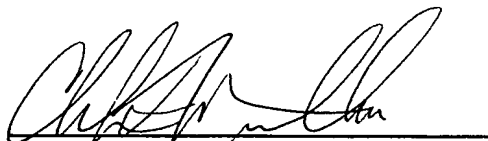
To assist the Examiner, the document is / documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date April 8, 2004

By:

  
Charles F. Wieland III  
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Alexandria, Virginia 22313-1404  
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Substitute for form 1449A/PTO & 1449B/PTO		<b>Complete if Known</b>	
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		<b>Filing Date</b>	December 15, 2003
		<b>First Named Inventor</b>	Park, Jong Jin et. al.
		<b>Examiner Name</b>	Unassigned
		<b>Attorney Docket Number</b>	021269-006
Sheet	011 P of 1		

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NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	DR. G. SCHON ET AL., A fascinating new field in colloid science: small ligand-stabilized metal clusters and possible application in microelectronics, Colloid Polym Sci (1995) 273, pages 101-117, Steinkopff-Verlag 1995, Essen, FRG.
	ABRAHAM ULMAN, Formation and Structure of Self-Assembled Monolayers, Chem. Rev. 1996, American Chemical Society, pages 1533-1554, Polytechnic University, Brooklyn, New York.
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Examiner Signature		Date Considered	
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